

ABSTRACT

A low-order polyphase interpolation filter, such as for decoding video and image signals, employs interpolation to facilitate sample rate conversion from a first rate to a second rate, which can be greater or less than the sample rate of the input signal. The interpolation applies interpolation coefficients, which are non-linear with respect to an associated positioning vector, to a set of input samples to provide desired scaling and/or conversion of the input sample into the desired output sample.